



Code: 8733
Family: Public Safety
Service: Public Safety
Group: Fire Service
Series: Firefighting

CLASS TITLE: FIRE ENGINEER

CHARACTERISTICS OF THE CLASS

Under supervision, operates and maintains the fire engine, hydraulic pump system, and related fire equipment; and performs related duties as required by superior officer(s) and/or department policies and procedures.

ESSENTIAL DUTIES

- Conducts visual and operational inspections of the fire engine, including apparatus systems, components, tools, equipment, and fittings, to ensure proper maintenance and readiness for response
- Drives the fire engine to the scene of emergencies obeying department and other applicable guidelines and procedures for safe transportation
- Positions the engine appropriately for operation at the scene considering the nature of the emergency, water source, environmental conditions, and potential hazards
- Connects and disconnects fire hose to a source of water, fire engine's hydraulic pump, building fire suppression systems, and various elevated and non-elevated fire suppression platforms
- Operates hydraulic pump systems used in firefighting and adjusts equipment during operation
- Calculates, achieves, and maintains appropriate hydraulic intake and discharge pressures
- Conducts drills on fire engine operations
- Communicates clearly and concisely, via radio, with supervisors and Fire Alarm Office
- Cleans and lubricates engine motor and pump, services equipment, and tests pump for proper operating efficiency
- Stands fire watch duty, as required

NOTE: *The list of essential duties is not intended to be inclusive; there may be other duties that are essential to particular positions within the class.*

MINIMUM QUALIFICATIONS

Education, Training, and Experience

- Career Service status as a Firefighter, Firefighter/EMT or Firefighter Paramedic in the Chicago Fire Department

Licensure, Certification, or Other Qualifications

- Valid State of Illinois driver's license of Class A or B (CDL) or Class A or B (Non-CDL)
- Fire Service Vehicle Operator Certification issued by the Illinois Office of the State Fire Marshal (OSFM)

WORKING CONDITIONS

- Extreme weather conditions
- Hazardous conditions
- Extreme heat
- Public safety work environment

EQUIPMENT

- Firefighting personal protection and related equipment
- Firefighting tools and apparatus
- Two way radios
- Hazardous material equipment

PHYSICAL REQUIREMENTS

- Stressful and physically demanding environment
- Strenuous firefighting work requiring physical strength, coordination, endurance and flexibility
- Standing for extended or continuous periods of time

KNOWLEDGE, SKILLS, ABILITIES, AND OTHER WORK REQUIREMENTS

Knowledge

Good knowledge of:

- *Illinois Rules of the Road
- *State and local laws, rules and regulations relating to the operation of an emergency vehicle
- *rules, regulations, orders, directives, operational procedures, and labor agreements of the Chicago Fire Department
- *standard fire engine operation policies and procedures
- *care and use of fire hose
- *radio communication procedures and protocols
- layout of streets within the assigned still and box district

Some knowledge of:

- personnel administration and management principles, policies, practices, and techniques
- applicable writing techniques
- applicable computer software packages and applications

Knowledge of applicable City and department policies, procedures, and regulations

Skills

- *ACTIVE LISTENING - Give full attention to what other people are saying, take time to understand the points being made, ask questions as appropriate, and not interrupt at inappropriate times
- *ACTIVE LEARNING – Understand the implications of new information for both current and future problem-solving and decision-making
- *CRITICAL THINKING - Use logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions, or approaches to problems
- INSTRUCTING - Teach others how to do something
- *JUDGEMENT AND DECISION MAKING - Consider the relative costs and benefits of potential actions to choose the most appropriate one
- *MATHEMATICS - Use mathematics to solve problems
- *OPERATION MONITORING - Watch gauges, dials, or other indicators to make sure a machine

is working properly

- TROUBLESHOOTING - Determine causes of operating errors and decide what to do about it

Abilities

- *COMPREHEND ORAL INFORMATION - Listen to and understand information and ideas presented through spoken words and sentences
- *SPEAK - Communicate information and ideas in speaking so others will understand
- *COMPREHEND WRITTEN INFORMATION - Read and understand information and ideas presented in writing
- *WRITE - Communicate information and ideas in writing so others will understand
- *RECOGNIZE PROBLEMS – Tell when something is wrong or is likely to go wrong
- *REASON TO SOLVE PROBLEMS - Apply general rules to specific problems to produce answers that make sense

Other Work Requirements

- *INITIATIVE - Demonstrate willingness to take on job challenges
- *ADAPTABILITY/FLEXIBILITY - Be open to change (positive or negative) and to considerable variety in the workplace
- *DEPENDABILITY - Demonstrate reliability, responsibility, and dependability and fulfill obligations
- *ATTENTION TO DETAIL - Pay careful attention to detail and thoroughness in completing work tasks
- *STRESS TOLERANCE – Accept criticism and deal calmly and effectively with high stress situations
- *PERSISTENCE – Persist in the face of obstacles on the job
- *COOPERATION – Be pleasant with others on the job and display a good-natured, cooperative attitude

All employees of the City of Chicago must demonstrate commitment to and compliance with applicable state and federal laws, and City ordinances and rules; the City's Ethics standards; and other City policies and procedures.

The City of Chicago will consider equivalent foreign degrees, accreditations, and credentials in evaluating qualifications.

* May be required at entry.

City of Chicago
Department of Human Resources
June, 2016